(12) **United States Patent** (10) **Patent No.:** **US 7,672,119 B2**

Hollander (45) **Date of Patent:** **Mar. 2, 2010**

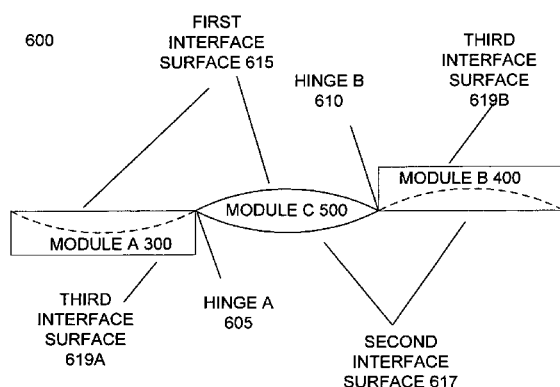|	
(54) **FOLDING USER INTERFACE**	
(76) Inventor: **Jonathan Marc Hollander**, 73 Summer St., #301, San Francisco, CA (US) 94103	
(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 8 days.	
(21) Appl. No.: **12/004,083**	
(22) Filed: **Dec. 18, 2007**	
(65) **Prior Publication Data**	
US 2008/0212272 A1 Sep. 4, 2008	
Related U.S. Application Data	
(60) Provisional application No. 60/870,474, filed on Dec. 18, 2006.	
(51) **Int. Cl.** *H05K 7/16* (2006.01)	
(52) **U.S. Cl.** **361/679.16**; 361/679.08; 361/679.15; 345/168; 341/22; 400/472	
(58) **Field of Classification Search** 361/679.08, 361/679.16, 679.15; 400/472; 345/168; 341/22	
See application file for complete search history.	

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,949,643 A * 9/1999 Batio 361/679.27

6,266,234 B1 *	7/2001	Leman 361/679.11
7,003,266 B2 *	2/2006	Bestle 455/90.3
7,446,757 B2 *	11/2008	Mochizuki et al. 345/168
2005/0017953 A1 *	1/2005	Pekka 345/169

* cited by examiner

Primary Examiner—Jayprakash N Gandhi
Assistant Examiner—Ingrid Wright
(74) *Attorney, Agent, or Firm*—Law Office of Jonathan Hollander PC

(57) **ABSTRACT**

An electronic device interface provides three different physical user interfaces. Users may fold or unfold the device to reveal one interface and hide the other two. A first module includes a first portion of a first interface. A second module includes a first portion of a second interface. A third module includes a second portions of the first and second interfaces. The second and third modules are folded together to hide the second interface and expose the first interface. The first and third modules are folded together to hide the first interface and expose the second interface. The third interface is exposed when the first and third modules and the second and third modules are folded together, hiding the first and second interfaces. The first modules can include a concave portion matching a convex portion of the third module to maintain a flush profile for the first and second interfaces.

29 Claims, 19 Drawing Sheets